

COMBINED DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PHOTONIC BANDGAP OPTICAL WAVEGUIDE

the specification of which **(check only one item below)**:

- ☒ is attached hereto.
- ☐ was filed as United States Patent application Number _____
on _____ and was amended on _____
(if applicable).
- ☐ was filed as PCT International application Number _____
on _____ and was amended on _____
(if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119 (a)-(d), 172 or 365(a) of any foreign application(s) for patent or inventor's certificate or of any international (PCT) application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international (PCT) application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §§119(a)-(d), 172 or 365(a):				
COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (MM/DD/YYYY)	PRIORITY CLAIMED UNDER 35 U.S.C. §§119, 172 OR 365(a)	
			Yes	No
Great Britain	0229826.3	12/20/2002	X	
Great Britain	0302632.5	02/05/2003	X	
Great Britain	0306593.5	03/21/2003	X	
Great Britain	0306606.5	03/21/2003	X	
Great Britain	0314485.4	06/20/2003	X	

(8/04)

VA 736149.1

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I hereby appoint the attorneys and agents associated with the following PTO Customer Number of Burns, Doane, Swecker & Mathis, L.L.P. to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and transact all business in connection with international applications directed to said invention:

Customer Number 21839

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	David Philip Williams	1-W
Signature	<i>D.P. Williams</i>	
Date	2/6/05	
Residence (City, State, Country)	Bath, Great Britain	
Citizenship	British	
Mailing Address	Flat 7, 27 Marlborough Buildings	4 GARDIA FARM COTTAGE NORTH STOKE PARK, BA1 9AT GREAT BRITAIN
City, State, ZIP, Country	Bath, BA1 2LY, Great Britain	
FULL NAME SECOND INVENTOR, IF ANY	Brian Joseph Mangan	
Signature		2-W
Date		
Residence (City, State, Country)	Bath, Great Britain	C.B.
Citizenship	British	
Mailing Address	20 Prior Park Road	
City, State, ZIP, Country	Bath, BA2 4NG, Great Britain	
FULL NAME OF THIRD INVENTOR, IF ANY	Philip St. John Russell	
Signature		3-W
Date		
Residence (City, State, Country)	Bath, Great Britain	C.B.
Citizenship	British	
Mailing Address	Shepherds Mead, Southstoke	
City, State, ZIP, Country	Bath, BA2 7EB, Great Britain	

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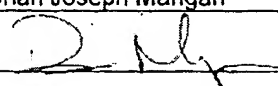
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FULL NAME SECOND INVENTOR, IF ANY	Brian Joseph Mangan
Signature	
Date	10/15/05
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FULL NAME OF THIRD INVENTOR, IF ANY	Philip St. John Russell
Signature	<i>PSJR</i>
Date	24 May 2005
Residence (City, State, Country)	Bath, Great Britain
Citizenship	British
Mailing Address	Shepherds Mead, Southstoke
City, State, ZIP, Country	Bath, BA2 7EB, Great Britain

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